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PPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/510,964	11/01/2004	Akiko Yoshida	258184US0PCT	8038
22850 75	11/29/2006		EXAMINER	
C. IRVIN MCCLELLAND			CINTINS, IVARS C	
OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C. 1940 DUKE STREET ALEXANDRIA, VA 22314			ART UNIT	PAPER NUMBER
			1724	
			DATE MAIL ED: 11/29/2006	4

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary		Application No.	Applicant(s)			
		10/510,964	YOSHIDA ET AL.			
		Examiner	Art Unit			
		Ivars C. Cintins	1724			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SH WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DANS and the may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. Operiod for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be the vill apply and will expire SIX (6) MONTHS from the cause the application to become ABANDON	DN. imely filed the mailing date of this communication. ED (35 U.S.C. § 133).			
Status						
1)⊠	Responsive to communication(s) filed on 14 Se	eptember 2006.				
2a) <u></u> ☐	This action is FINAL . 2b)⊠ This action is non-final.					
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
	closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 4	153 O.G. 213.			
Dispositi	ion of Claims					
5)□ 6)⊠ 7)□	Claim(s) 1.2 and 4-8 is/are pending in the applied 4a) Of the above claim(s) is/are withdraw Claim(s) is/are allowed. Claim(s) 1.2 and 4-8 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or	vn from consideration.				
Applicati	on Papers					
10)	The specification is objected to by the Examiner The drawing(s) filed on is/are: a) acce Applicant may not request that any objection to the o Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Ex	epted or b) objected to by the drawing(s) be held in abeyance. Se ion is required if the drawing(s) is ol	ee 37 CFR 1.85(a). bjected to. See 37 CFR 1.121(d).			
	ınder 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
	•		•			
2) Notice 3) Inform	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date	4) Interview Summan Paper No(s)/Mail D 5) Notice of Informal I 6) Other:	Date			

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The following is a quotation of the first paragraph of 35 § U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 1, 2 and 4-8 are rejected under 35 U.S.C. § 112, first paragraph, as failing to comply with the enablement requirement. The claims contain subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention. The limitation that the ion adsorption module comprises a stratified bed wherein each bed (of the stratified bed) comprises organic porous cation exchange material and organic porous anion exchange material (claim 1, lines 15-17; claim 4, lines 14-16; and claim 6, lines 15-17) does not appear to be described in the specification. Applicant should note that although a stratified bed of organic porous cation exchange material and organic porous anion exchange material has been described in the specification (see page 7, lines 21-23), it appears that each layer (bed) of this stratified bed contains only cation exchange material or only anion exchange material, not both of these materials together. Since a stratified bed containing beds of mixed cation and anion exchange materials has not been described in the specification, amended claims 1, 2 and 4-8 are not deemed to be enabled by this disclosure.

Claims 1, 2 and 4-8, as amended, have not been rejected over "art" because the references of record do not teach or fairly suggest an ion adsorption module comprising a stratified bed wherein each bed comprises an organic porous cation exchange material and an organic porous anion exchange material of the type recited. Applicant

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is cautioned, however, that an attempt to overcome the above noted enablement rejection by deleting the newly added limitations from claims 1, 4 and 6 may result in reinstatement of the rejections applied in the previous Office Action(s).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to I. Cintins whose telephone number is 571-272-1155. The examiner can normally be reached on Monday through Friday from 8:30 AM to 5:00 PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Duane Smith, can be reached at 571-272-1166.

The centralized facsimile number for the USPTO is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ivars C. Cintins
Primary Examiner
Art Unit 1724

I. Cintins November 25, 2006